

FILE NOTATIONS

Entered in NID File ... ✓
Location Map Pinned ... ✓
Card Indexed ... ✓

Checked by Chief *[Signature]*
Approval Letter ... ✓
Disapproval Letter

COMPLETION DATA:

Date Well Completed *12-16-68*

Location Inspected

OW..... WW..... TA.....
GW..... OS..... PA. ✓

Bond released
State or Fee Land

LOGS FILED

Driller's Log *4-3-69*

Electric Logs (No.)

E..... I..... Dual I Lat..... GR-N..... Micro.....

BHC Sonic GR..... Lat..... Mi-L..... Sonic.....

CBLog..... CCLog..... Others.....

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
GMC Oil And Gas Corporation

3. ADDRESS OF OPERATOR
1307 First National Bank Building, Okla. City, Okla. 73102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
SE 1/4 NW 1/4 Section 12, 41S-21E, San Juan County, Utah
 At proposed prod. zone
Desert Creek 1980 FWH + 1900 FWH SE NW

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
2 miles South Bluff, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. line, if any)
1900'

16. NO. OF ACRES IN LEASE
1280

17. NO. OF ACRES ASSIGNED TO THIS WELL
80

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
Desert Creek

19. PROPOSED DEPTH
6000'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5050 Ground

22. APPROX. DATE WORK WILL START*
On approval

5. LEASE DESIGNATION AND SERIAL NO.
Tract 23, Sale 78

6. IF INDIAN, ALLOTTED OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.
12-1

10. FIELD AND POOL, OR WILDCAT
Wildcat (New Field)

11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA
12, 41S-21E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8-5/8" ✓	24#	500' ✓	Enough to circulate to surface 250 sx. ✓
7-7/8"	4 1/2" ✓	10.5#	6000' ✓	

43-037-30026

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED [Signature] TITLE **President** DATE **Nov. 25, 1968**

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

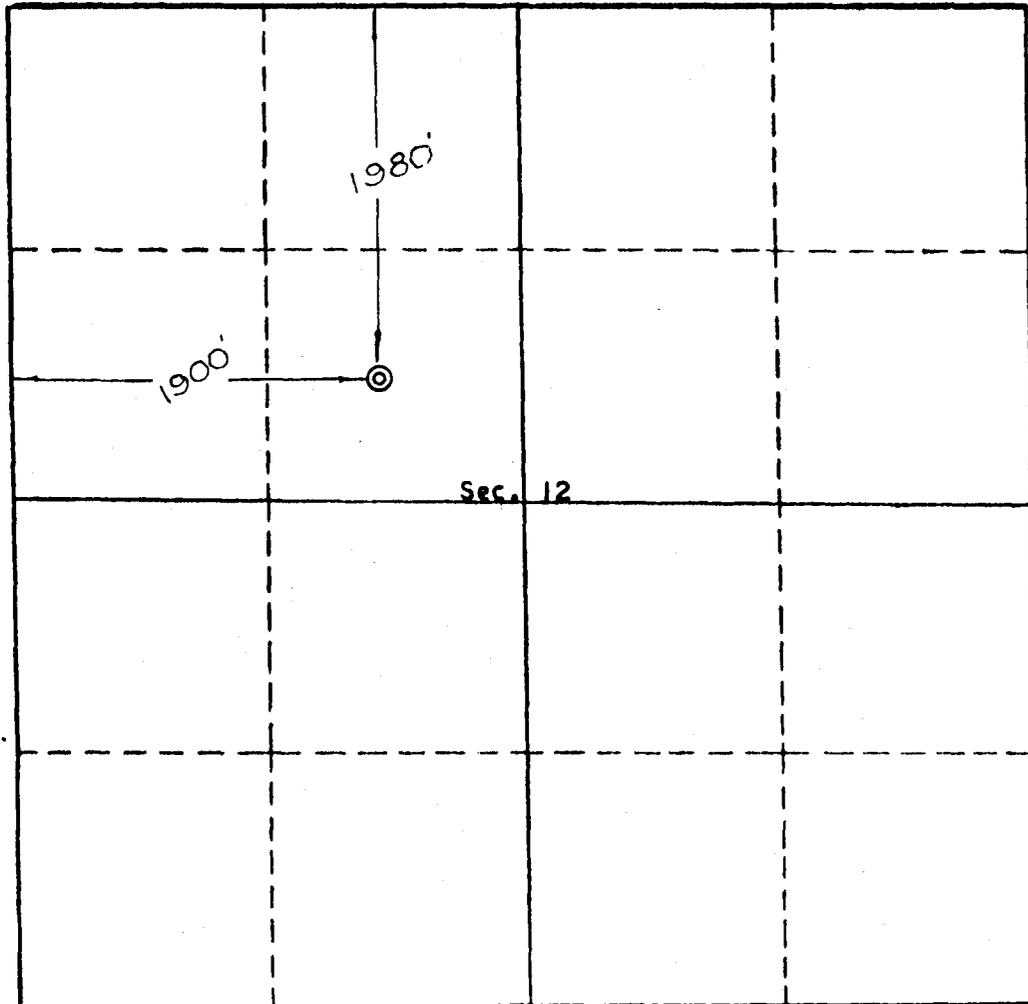
Company G M C OIL & GAS CORP.

Well Name & No. _____

Location 1980 feet from the North line and 1900 feet from the West line.

Sec. 12, T. 41 S., R. 21 E., S. L. M., County San Juan, Utah

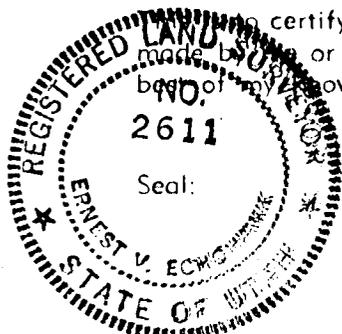
Ground Elevation 5050, ungraded



Scale, 1 inch = 1,000 feet

Surveyed October 3, 19 68

I hereby certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.



Ernest V. Echohawk
Ernest V. Echohawk
Registered Land Surveyor
Utah Registration No. 2611

SUPERVISOR, OIL AND GAS OPERATIONS:

DESIGNATION OF OPERATOR

Indian Affairs

The undersigned is, on the records of the Bureau of ~~Land Management~~ ^{Indian Affairs}, holder of oil and gas lease from the Navajo Tribe of Indians, Window Rock, Arizona, Contract No. 14-20-0603-8417.

~~DISTRICT LAND OFFICE~~
~~SAN JUAN COUNTY~~

and hereby designates

NAME: GMC Oil and Gas Corporation
ADDRESS: 1307 First National Building, Oklahoma City, Oklahoma, 73102,

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 41 South, Range 21 East, S.L.M.
Section 12: SE/4 NW/4
San Juan County, Utah.

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the oil and gas supervisor of any change in the designated operator.

PHILLIPS PETROLEUM COMPANY

By: *Jimmie C. Smith*

(Signature of lessee)

Jimmie C. Smith, Attorney in Fact,
1300 Security Life Building
Denver, Colorado 80202

October 30, 1968.

(Date)

(Address)

RB
CONTRACT MAN
PHILLIPS PETROLEUM CO.

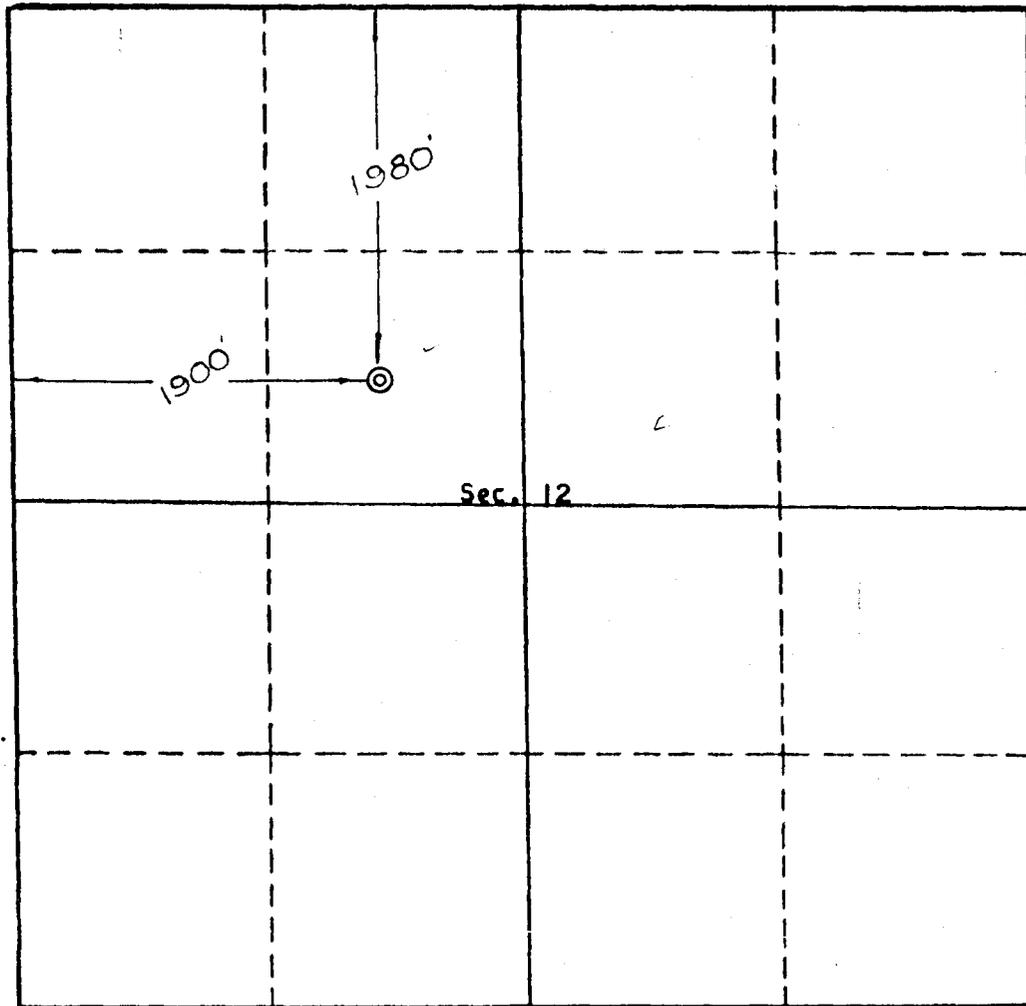
Company G M C OIL & GAS CORP.

Well Name & No. _____

Location 1980 feet from the North line and 1900 feet from the West line.

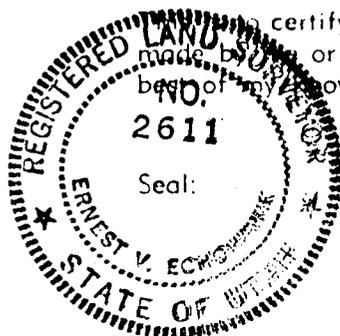
Sec. 12, T. 41 S., R. 21 E., S. L. M., County San Juan, Utah

Ground Elevation 5050, ungraded



Scale, 1 inch = 1,000 feet

Surveyed October 3, 19 68



I certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Ernest V. Echohawk

Ernest V. Echohawk
Registered Land Surveyor
Utah Registration No. 2611

November 27, 1968

GMC Oil and Gas Corporation
1307 First National Bank Building
Oklahoma City, Oklahoma 73102

Re: Well No. Navajo #12-1
Sec. 12, T. 41 S., R. 21 E.,
San Juan County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above mentioned well is hereby granted. However, this approval is conditional upon a Designation of Agent being filed with this office in accordance with Rule A-4, General Rules and Regulations.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify Paul W. Burchell, Chief Petroleum Engineer, Home: 277-2890, Office: 328-5771 - Salt Lake City, Utah.

This approval terminates within 90 days if the well has not been spudded-in within said period. Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered while drilling. Your cooperation with respect to completing this form will be greatly appreciated.

The API number assigned to this well is 43-037-30026 (see Bulletin D12 published by the American Petroleum Institute).

Very truly yours,
DIVISION OF OIL AND GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

CBF:enp
cc: P. T. McGrath, District Engineer
U. S. Geological Survey
Box 959
Farmington, New Mexico

December 2, 1968

GMC Oil and Gas Corporation
1307 First National Bank Building
Oklahoma City, Oklahoma 73102

Re: Bond covering well Navajo
#12-1, Sec. 12, T. 41 S., R.
21 E., San Juan County, Utah.

Gentlemen:

We are herewith returning your bond in the amount of \$5000.00. Under Rule C-1 of our General Rules and Regulations and Rules of Practice and Procedure the Commission may waive the filing of a bond where a bond has already been required and furnished under State and Federal Requirements. Therefore, it will not be necessary to file a bond with this office if a bond has been filed with the Federal Government. Please advise.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

SAHRON GROVER
RECORDS CLERK

sg

encl: Bond in the amount of \$5000.00

Sharon

GMC

FIRST NATIONAL BANK BLDG.

JK

OIL AND GAS CORPORATION

OKLAHOMA CITY, OKLAHOMA 73102

December 9, 1968

Department of Natural Resources
Division of Oil and Gas Conservation
1588 West North Temple
Salt Lake City, Utah 84116

Attention Mr. C. B. Feight

Re: Navajo Well No. 12-1,
Section 12, 41S-21E,
San Juan County, Utah.

Gentlemen:

In response to your letter dated November 27, 1968, you are advised that our agent in the State of Utah, as reflected in our Certificate of Authority, is the Prentice-Hall Corporation System, Inc., whose office is located in the Kearns Building, 136 South Main Street, Salt Lake City, Utah 84101.

Very truly yours,

GMC OIL AND GAS CORPORATION

G. M. Close
(H. E.)

G. M. Close

GMC:we

Sharon
Q 10. - Mr. Close

Sec 12 T41S 21E

San Juan Co.

Nov. 12-1

H. H. G. & D. -

(1) Play ~~to~~ of above Desert Creek
(5600)

(2) Play to Perm.
4900

(3) Above De Chelly SS

(4) base of pip
480' infu pip

(5) at infu/marker

No water

DST Desert Creek
No show.

12/15/68

JMB

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.
14-20-0603-8417

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NAVAJO

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
NAVAJO

9. WELL NO.
12-1

10. FIELD AND POOL, OR WILDCAT
WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
12, 41S-21E

12. COUNTY OR PARISH 13. STATE
San Juan Utah

1. OIL WELL GAS WELL OTHER **Dry Hole**

2. NAME OF OPERATOR
GMC OIL AND GAS CORPORATION

3. ADDRESS OF OPERATOR
1307 First Nat'l. Bldg., Oklahoma City, Okla. 73102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface

SE 1/4 NW 1/4 1900' FWL 1980' FNL

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5050 Gr. 5063 KB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other)

(Other)

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

**COMMENCED PLUGGING W/VEREAL AUTHORITY Mr. P. T. McGRATH
ON DECEMBER 16, 1968.**

18. I hereby certify that the foregoing is true and correct

SIGNATURE

TITLE

President

DATE

12-20-1968.

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

January 22, 1969

**GMC Oil and Gas Corporation
1307 First National Bank Building
Oklahoma City, Oklahoma 73102**

**Re: Well No. Navajo #12-1
Sec. 12, T. 41 S., R. 21 E.,
San Juan County, Utah.
For the month of December, 1968.**

Gentlemen:

Our records indicate that you have not filed a Monthly Report of Operations for the month(s) mentioned above for the subject well. Rule C-22 (1), General Rules and Regulations and Rules of Practice and Procedure, Utah State Division of Oil and Gas Conservation requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1b, (U. S. Geological Survey 9-331, "Sundry Notices and Reports on Wells"), or on company forms containing substantially the same information. We are enclosing forms for your convenience.

Your cooperation with respect to this request is greatly appreciated.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

SHARON CAMERON
RECORDS CLERK

sc

Enclosure: Form OGC-1b

GMC

**OIL AND GAS
CORPORATION**

FIRST NATIONAL BANK BLDG.

OKLAHOMA CITY, OKLAHOMA 73102

January 28, 1969

Sharon

Department of Natural Resources
Division of Oil and Gas Conservation
1588 West North Temple
Salt Lake City, Utah 84116

Attention Sharon Cameron

Re: Navajo 12-1,
Section 12, 41S-21E,
San Juan County, Utah.

Gentlemen:

Enclosed is an executed copy of U. S. Geological Survey Form 9-351 which you said in your letter dated January 22, 1969, was permissible.

Also for your information we are enclosing a copy of the same form which was sent to the Geological Survey and returned approved.

Very truly yours,

GMC OIL AND GAS CORPORATION



G. M. Close

GMC:we
Enclosures

1588 West North Temple
Salt Lake City, Utah 84116
328-5771

March 20, 1969

G M C Oil & Gas Corporation
1307 First National Bank Building
Oklahoma City, Oklahoma 73102

Re: Well No. Navajo #12-1
Sec. 12, T. 41 S, R. 21 E,
San Juan County, Utah

Gentlemen:

This letter is to advise you that the "Well Completion or Recompletion Report and Log" and electric and/or radioactivity logs for the above mentioned well are due and have not been filed with this office as required by our rules and regulations.

Please complete the enclosed Forms OGC-3, "Well Completion or Recompletion Report and Log", in duplicate and forward them to this office as soon as possible. If electric and/or radioactivity logs were not run, please make a statement to this effect in order for us to keep our records accurate and complete.

Your cooperation in this matter will be greatly appreciated.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

SHARON CAMERON
RECORDS CLERK

sc

Enclosure: Forms OGC-3

GMC

FIRST NATIONAL BANK BLDG.

**OIL AND GAS
CORPORATION**

OKLAHOMA CITY, OKLAHOMA 73102

March 31, 1969

Department of Natural Resources
Division of Oil and Gas Conservation
1588 West North Temple
Salt Lake City, Utah 84116

Re: Navajo 12-1,
Section 12, 41S-21E,
San Juan County, Utah.

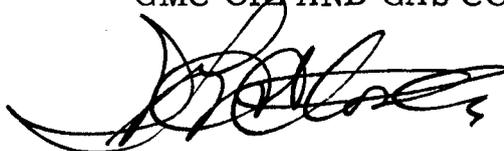
Gentlemen:

Enclosed, in duplicate, is your executed Form OGC-3.

You will note that electric logs were run but we have not yet released them.

Very truly yours,

GMC OIL AND GAS CORPORATION



G. M. Close

GMC:we
Enclosures 2

15
PI

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN DUPLICATE*
(See other instructions on reverse side)

5. LEASE DESIGNATION AND SERIAL NO.
14-200603-8417

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NAVAJO

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
NAVAJO

9. WELL NO.
12-1

10. FIELD AND POOL, OR WILDCAT
WILDCAT

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
12, 41S-21E

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other _____

2. NAME OF OPERATOR

3. ADDRESS OF OPERATOR
**GMC OIL AND GAS CORPORATION
First National Bank Building
Oklahoma City, Oklahoma 73102**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface **SE 1/4 NW 1/4 1900' FWL 1980' FNL**
At top prod. interval reported below
At total depth

14. PERMIT NO. _____ DATE ISSUED **Nov. 27, 1968**

15. DATE SPUDDED **11-28-68** 16. DATE T.D. REACHED **12-16-68** 17. DATE COMPL. (Ready to prod.) _____

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* **5050 Gr. 5063 KB** 19. ELEV. CASINGHEAD _____

20. TOTAL DEPTH, MD & TVD **5880'** 21. PLUG, BACK T.D., MD & TVD _____ 22. IF MULTIPLE COMPL., HOW MANY* _____

23. INTERVALS DRILLED BY _____ ROTARY TOOLS **0-5880'** CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
None

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN
Dual Induction Laterolog & FDC/ but these have not been released

27. WAS WELL CORED
No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	404'	12 1/4"	350 sx P & P	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)

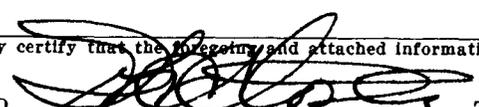
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) _____ TEST WITNESSED BY _____

35. LIST OF ATTACHMENTS _____

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records *Used as PA date*

SIGNED  TITLE **President** DATE **3-31-1969**

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; COSED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES		38. GEOLOGIC MARKERS				
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP TRUB VEET. DEPTH
Sdy. Shale	0	935	DST: 5673 - 5720' Opened 15 min. w/very weak blow Closed 1 hour Opened 30 min. w/very, very weak blow and died. Closed 1 hour Recovery was 300 feet of mud, due to premature tool opening, w/no show. ICIP = 1052 IFP = 219 FFP = 263 FCIP = 658	Wingate	1230	
Shly. Sand	935	2502		Chinle	1624	
Sand & Shale	2502	4700		DeChelly	2562	
Cherty Lime	4700	4714		Oregon Rock	2700	
Lime & Shale	4714	5001		Hermosa	4609	
Lime & Sand	5001	5056		Ismay	5512	
Lime & Shale	5056	5237		Desert Creek	5670	
Lime & Shale	5237	5327		T. D.	5880	
Lime & Shale	5327	5518				
Lime & Shale	5518	5564				
Lime & Shale	5564	5706				
Sime & Sand	5706	5720				
Lime & Shale	5720	5774				
Lime & Sand	5774	5862				
Lime & Shale	5862	5880 T.D.				

APR 9 1969